



# LOWER SCHOOL GRADE DESCRIPTORS

## DESIGN & TECHNOLOGY

		INVESTIGATING	DESIGNING	MAKING	EVALUATING AND ANALYSING
YEAR 7	4	<ul style="list-style-type: none"> <li>Basic facts and figures</li> <li>- Images</li> <li>- Simple analysis</li> <li>- Limited sources</li> </ul>	<ul style="list-style-type: none"> <li>- Sketches are basic, showing little technical skill</li> <li>- Limited innovation</li> <li>- Basic areas are labelled</li> <li>- Some relevant areas are annotated</li> </ul>	<ul style="list-style-type: none"> <li>- Step by step plan with evidencing tools and equipment</li> <li>- Able to make a functional product with some accuracy</li> <li>- Requires guidance</li> </ul>	<ul style="list-style-type: none"> <li>- Evaluation includes reference of good and bad points</li> <li>- Limited justification</li> <li>- Limited improvements suggested</li> </ul>
	5	<ul style="list-style-type: none"> <li>- Facts and figures are explained</li> <li>- Labelled images</li> <li>- Good and bad points evident in analysis</li> <li>- Good range of sources used</li> </ul>	<ul style="list-style-type: none"> <li>- Sketches demonstrate some technical skill</li> <li>- Some creativity and awareness of constraints</li> <li>- Relevant labels</li> <li>- Range of annotative comments</li> </ul>	<ul style="list-style-type: none"> <li>- Step by step plans take some account of quality control</li> <li>- Able to make functional product with accuracy</li> <li>- Overcomes problems with a little guidance</li> <li>- Basic joining methods</li> </ul>	<ul style="list-style-type: none"> <li>- Explanation of good and bad points</li> <li>- Some justified points</li> <li>- Some improvements suggested</li> <li>- Some evidence of testing</li> </ul>
YEAR 8	6	<ul style="list-style-type: none"> <li>- Facts and figures are described</li> <li>- Relevant images are explained</li> <li>- Analysis includes reference to inform designing</li> <li>- Wide range of sources used</li> </ul>	<ul style="list-style-type: none"> <li>- Competency in technical drawing</li> <li>- Creative and innovative ideas</li> <li>- Relevant labels, includes dimensions</li> <li>- ACCESS FM evident as a tool for annotation</li> </ul>	<ul style="list-style-type: none"> <li>- Step by step plans with strong reference to quality control, parts lists and sizes</li> <li>- Able to make a desirable product</li> <li>- Independence in selection of tools and materials to make a precise product</li> <li>- Awareness of time management</li> </ul>	<ul style="list-style-type: none"> <li>- Good and bad points suggested for various areas of relevance</li> <li>- Range of tests suggested</li> <li>- Relevant improvements suggested</li> </ul>
YEAR 9	7	<ul style="list-style-type: none"> <li>- Facts and figures are specific and justified</li> <li>- Relevant images are labelled</li> <li>- Analysis leads to certain and technical specifications</li> <li>- Complex information, including primary sources analysed</li> </ul>	<ul style="list-style-type: none"> <li>- A range of accurately presented technical drawings, could include CAD</li> <li>- Innovative and feasible solutions</li> <li>- Designs are annotated with reference to research</li> <li>- Evidence of iterative process of design</li> </ul>	<ul style="list-style-type: none"> <li>- Organise and plan tasks with high awareness of quality control</li> <li>- Consistently working with a wide range of materials and tools with high accuracy</li> <li>- Making commercially viable products</li> </ul>	<ul style="list-style-type: none"> <li>- Wide range of relevant areas are analysed and evaluated</li> <li>- Realistic testing of design evident</li> <li>- Improvements suggested are realistic, technical and explained precisely</li> </ul>
	EP	<p>An exceptional pupil will complete all the aspects of Grade 7 standard, but will work independently, with flair both in their designing and making. They will critically evaluate their work throughout the process.</p>			